



# National Weather Service

## Storm Data and Unusual Weather Phenomena



July 1999

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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### OHIO, North

OHZ003-005>014-  
017>023-027>033-  
036>038-047

Lucas - Henry - Wood - Ottawa - Sandusky - Erie - Lorain - Cuyahoga - Lake - Geauga - Ashtabula - Hancock - Seneca - Huron - Medina - Summit - Portage - Trumbull - Wyandot - Crawford - Richland - Ashland - Wayne - Stark - Mahoning - Marion - Morrow - Holmes - Knox

01	0000EST	0	0	Excessive Heat
31	2359EST			

Temperatures across northern Ohio were much above normal. High temperatures reached the middle 90s several days and five daily record high temperatures were established at Mansfield and Youngstown. An unofficial 100 degree temperature was measured in Sandusky County at Clyde on July 5th and the temperatures reached 100 degrees in Lake County near Painesville on the 31st. All major reporting stations in northern Ohio finished with average monthly temperatures among the ten warmest on record for July. Youngstown recorded its 6th warmest July on record with the 6th warmest July in Cleveland

OHZ002>003-005>014-  
017>023-027>033-  
036>038-047

Fulton - Lucas - Henry - Wood - Ottawa - Sandusky - Erie - Lorain - Cuyahoga - Lake - Geauga - Ashtabula - Hancock - Seneca - Huron - Medina - Summit - Portage - Trumbull - Wyandot - Crawford - Richland - Ashland - Wayne - Stark - Mahoning - Marion - Morrow - Holmes - Knox

01	0000EST	0	0	Drought
31	2359EST			

Drought conditions across northern Ohio eased as thunderstorm rains became more widespread. None the less, very dry soil conditions persisted in a few areas that missed the brunt of the thunderstorm activity. Some communities instituted water use restrictions and crop yields will likely be reduced because of the lack of adequate rainfall. Losses due to the drought were unknown.

Wyandot County  
Carey

01	1330EST	0	0	10K	Thunderstorm Wind
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Many trees and powers lines downed.

Ashland County  
Polk

01	1540EST	0	0	5K	Thunderstorm Wind
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Two trees fell and knocked down power lines.

Medina County  
Granger

01	1550EST	0	0	25K	Thunderstorm Wind
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Several trees fell on power lines knocking power out to over 5,000 people.

Medina County  
Lafayette

01	1600EST	0	0	Funnel Cloud
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Wayne County  
Rittman to  
Doylestown

01	1640EST 1655EST	7	50	0	0	150K	Tornado (F1)
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The tornado touched down on the southeast corner of the town of Rittman then traveled east toward Hatfield Road and Ohio 94 where it flattened an apple orchard. Several buildings were also damaged in the vicinity of the orchard including a small concrete block building which was completely destroyed. The roofs of several other buildings were severely damaged. From the site of the orchard, the tornado traveled east and knocked down many trees before finally dissipating near Doylestown. Eye witness reports and damage surveys indicate that the tornado was slightly aloft during a good part of its life cycle

Knox County  
Mt Vernon

01	2136EST	0	0	150K	Lightning
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Lightning struck a feed store at 502 West Gambier Street. The resulting fire did extensive damage to the store

Ashtabula County  
Lakeshore

03	1330EST	0	1	Lightning
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A male of unknown age was stuck by lightning at Great Lakes Marina. The person received minor injuries and was taken to a local hospital for treatment.



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					Killed	Injured	Property	Crops
<b><u>OHIO, North</u></b>								
Ashtabula County Ashtabula	03	1522EST			0	0		
								Hail (1.00)
Ashtabula County Countywide	03	1600EST 1645EST			0	0	20K	
								Thunderstorm Wind
Scattered trees reported down across the county.								
Ashtabula County Lakeshore	03	1609EST			0	2		
								Lightning
A 26 year old male and a female of unknown age were struck by lightning while picnicking at Lakeshore Park in Ashtabula Township. Both people received minor injuries and were taken to a local hospital where they were treated and released.								
Ottawa County Graytown	06	1315EST			0	0	30K	
								Thunderstorm Wind
A large barn was blown down and destroyed just north of Graytown on Graytown Road.								
Erie County Vermillion	06	1350EST			0	0	15K	
								Thunderstorm Wind (G51)
A 59 mph gust was measured at Vermillion. Five boats were overturned at a local Lake Erie marina. Downed trees and traffic lights were also reported near Milan.								
Lorain County Countywide	06	1400EST 1440EST			0	0	25K	
								Thunderstorm Wind
Many large trees downed.								
Cuyahoga County North Olmsted	06	1420EST			0	0	40K	
								Thunderstorm Wind
Many trees and large limbs downed. A 20 foot by 40 foot pavilion at a housing development was also destroyed.								
Hancock County Findlay	06	1430EST			0	0	15K	
								Thunderstorm Wind
Numerous trees and power lines downed.								
Medina County Medina	06	1430EST			0	1		
								Lightning
A 38 year old male construction worker was struck by lightning while working outside. The man was treated for minor injuries at a local hospital.								
Seneca County Tiffin	06	1430EST			0	1		
								Lightning
A 20 year old male was struck by lightning while golfing. The man was treated at a local hospital for minor injuries.								
Seneca County Tiffin	06	1430EST			0	0	10K	
								Thunderstorm Wind
Many large tree limbs and power lines downed.								
Stark County Countywide	06	1430EST 1500EST			0	0	25K	
								Thunderstorm Wind
Many trees and power lines reported down in Canton. In Masilion, 14 trees were blown over and a house had some siding torn off.								
Cuyahoga County Garfield Hgts	06	1432EST			0	0		
								Thunderstorm Wind (G50)
A 58 mph wind gust was measured in Garfield Heights.								
Cuyahoga County Parma	06	1435EST			0	0		
								Hail (1.00)



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<b><u>OHIO, North</u></b>									
<b>Medina County</b> <b>Wadsworth</b>	<b>06</b>	<b>1450EST</b>			<b>0</b>	<b>0</b>	<b>5K</b>		<b>Thunderstorm Wind</b>
Several large trees downed.									
<b>Lorain County</b> <b>Elyria</b>	<b>06</b>	<b>1500EST</b>			<b>0</b>	<b>1</b>			<b>Lightning</b>
A 40 year old woman working inside was injured when electricity from a lightning strike traveled through the fan she was using. The woman was taken to a local hospital and treated for minor injuries.									
<b>Lorain County</b> <b>Lorain</b>	<b>06</b>	<b>1500EST</b>			<b>0</b>	<b>0</b>	<b>15K</b>		<b>Thunderstorm Wind (G53)</b>
A 61 mph wind gust was measured in Lorain and many trees were knocked down in Amherst and Lorain.									
<b>Sandusky County</b> <b>Fremont</b>	<b>06</b>	<b>1500EST</b> <b>1510EST</b>			<b>0</b>	<b>0</b>	<b>35K</b>		<b>Thunderstorm Wind</b>
Several power poles blown down across Highway 6. A tree was blown down on the roof of a house.									
<b>Wyandot County</b> <b>Upper Sandusky</b>	<b>06</b>	<b>1500EST</b>			<b>0</b>	<b>0</b>	<b>15K</b>		<b>Thunderstorm Wind</b>
Two cars were damaged by falling trees.									
<b>Cuyahoga County</b> <b>Warrensville Hgts</b>	<b>06</b>	<b>1502EST</b>			<b>1</b>	<b>0</b>			<b>Lightning</b>
A 36 year old male construction worker was found laying dead face up in a puddle of water. Witnesses claim the man was struck by lightning while working outdoors. M36OU									
<b>Geauga County</b> <b>Middlefield</b>	<b>06</b>	<b>1505EST</b>			<b>0</b>	<b>0</b>			<b>Hail (0.75)</b>
<b>Summit County</b> <b>Myersville</b>	<b>06</b>	<b>1505EST</b>			<b>0</b>	<b>0</b>	<b>10K</b>		<b>Thunderstorm Wind</b>
Many trees and power lines downed.									
<b>Portage County</b> <b>Countywide</b>	<b>06</b>	<b>1510EST</b> <b>1530EST</b>			<b>0</b>	<b>0</b>	<b>20K</b>		<b>Thunderstorm Wind</b>
Many trees downed in the Aurora and Streetsboro. A car was damaged by a falling limb in Aurora.									
<b>Trumbull County</b> <b>Countywide</b>	<b>06</b>	<b>1510EST</b> <b>1525EST</b>			<b>0</b>	<b>0</b>	<b>20K</b>		<b>Thunderstorm Wind</b>
Dozens of trees downed across the northern half of the county.									
<b>Ashtabula County</b> <b>Orwell</b>	<b>06</b>	<b>1520EST</b>			<b>0</b>	<b>0</b>	<b>5K</b>		<b>Thunderstorm Wind</b>
Several large limbs downed.									
<b>Huron County</b> <b>Norwalk</b>	<b>06</b>	<b>1520EST</b> <b>1530EST</b>			<b>0</b>	<b>0</b>	<b>25K</b>		<b>Thunderstorm Wind (G51)</b>
A 59 mph wind gust was measured in Norwalk and several large trees were downed. A roof of a house and a car were damaged by falling trees. Several trees were also reported down in Willard and Bellevue.									
<b>Ashland County</b> <b>Polk</b>	<b>06</b>	<b>1525EST</b>			<b>0</b>	<b>0</b>	<b>10K</b>		<b>Thunderstorm Wind</b>
Trees and power lines downed along State Route 520.									



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					Killed	Injured	Property Crops	

### OHIO, North

#### **Richland County**

Countywide	06	1525EST 1545EST			0	0	20K	<b>Thunderstorm Wind</b>
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Trees and power lines reported down across most of the county.

#### **Huron County**

Countywide	06	1530EST			0	0		<b>Flood</b>
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Heavy thunderstorm rains in excess of 3 inches in 90 minutes caused many small streams in the county to come out of their banks. Significant street flooding was also reported along State Route 61 in Norwalk. Other roads flooded in Norwalk included Milan Avenue, Water Street and Lais Rd.

#### **Wayne County**

Countywide	06	1540EST 1545EST			0	0	20K	<b>Thunderstorm Wind</b>
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Thunderstorms damaged a railroad crossing gate on Highway 57 near Orrville. Many trees were downed on the northwest side of Wooster.

#### **Ashtabula County**

Jefferson	06	1605EST			0	0		<b>Lightning</b>
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Two men, ages 55 and 31 were struck by lightning while leaning on a metal pole in their yard. Both men were treated for minor injuries at a local hospital.

#### **Seneca County**

Countywide	09	1600EST 1630EST			0	0	100K	<b>Thunderstorm Wind</b>
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Thunderstorms producing strong downburst winds downed trees and power lines throughout the county. A 75 foot by 100 foot pole barn located two miles to the northeast of Republic was completely destroyed and blown 200 feet. Just east of Cromers on State Route 53, a pole barn had an entire side blown off. A nearby garage was blown off its foundation and completely destroyed. Two cars were destroyed in Fostoria by fallen trees

#### **Seneca County**

Fostoria	09	1600EST			0	0		<b>Hail (0.88)</b>
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#### **Wood County**

North Baltimore	09	1605EST			0	0	5K	<b>Thunderstorm Wind</b>
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Several large trees were downed.

#### **Sandusky County**

Fremont	09	1608EST			0	0	10K	<b>Thunderstorm Wind</b>
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One tree was blown down in Fremont with several large trees and powerlines downed just south of town.

#### **Hancock County**

Countywide	09	1620EST 1630EST			0	0	15K	<b>Thunderstorm Wind</b>
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A large trees was blown down in the northern portion of the county with several power poles snapped across the southern half of the county.

#### **Erie County**

Countywide	09	1634EST 1650EST			0	0	20K	<b>Thunderstorm Wind</b>
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Four power poles were knocked down in the southwest corner of the county with many trees downed countywide.

#### **Marion County**

Countywide	09	1635EST 1650EST			0	0	60K	<b>Thunderstorm Wind</b>
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Trees and power lines were downed across the county. A large tree fell in Marion and completely destroyed a 24 foot above ground swimming pool. A car was damaged by a falling tree in New Bloomington.



									<b>July 1999</b>
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					<b>Killed</b>	<b>Injured</b>	<b>Property</b>	<b>Crops</b>	<b>Character of Storm</b>

## OHIO, North

**Huron County  
Countywide**

09	1645EST 1715EST	0	0	300K	Thunderstorm Wind
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Thunderstorms producing strong downburst winds downed trees and power lines across the entire county. An addition to a house was completely destroyed along State Route 162 in North Fairfield and an adjacent concrete block barn was destroyed. The roof of a small mobile home was torn off and landed on a truck and destroyed it. Two barns were blown down southeast of Greenwich on Fairfield Angling Road. The roof of trucking company located on State Route 61 north of Plymouth was blown off. One semi trailer inside the building was crushed by the collapsing roof and another semi trailer parked outside was flipped on its side. A plumbing business lost the south wall of its building and had damage done to its floor. A pole building at a Fitchville gas company was destroyed.

**Wyandot County  
Countywide**

09	1645EST 1700EST	0	0	40K	Thunderstorm Wind
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Twelve trees downed in Upper Sandusky with additional trees and powerlines downed countywide. A semi truck was blown over at weigh station near the intersection of U.S. Highways 23 and 30.

**Crawford County**  
**Bucyrus**

09	1649EST	0	0	90K	Thunderstorm Wind (G51)
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A 59 mph wind gust was measured in Bucyrus. Several large trees were downed in Bucyrus and a tree fell on a house in Leesville. The house sustained major damage to a portion of its roof. Thirty to forty trees were blown down at a golf course in Galion. A sun porch on a house in Crestline was hit by a falling tree and destroyed. Flagpoles in the city of Crestline were bent by winds estimated at 60 to 70 mph and a fence at Crestline High School was blown down.

**Lorain County**  
**Avon**

09	1650EST	0	0	15K	Thunderstorm Wind (G61)
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Trees and power lines downed across the county. A 70 mph gust was measured in Avon.

**Cuyahoga County  
Countywide**

09	1652EST 1730EST	0	0	30K	Thunderstorm Wind
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Trees and power lines were downed across the county including in the cities of Cleveland and Euclid.

**Geauga County  
Chardon**

09	1655EST	0	0	Hail (1.75)
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**Geauga County  
Chardon**

09	1655EST 1710EST	0	0	50K	Thunderstorm Wind
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Many trees downed across the central portion of the county. Twenty four trees were reported down in Chardon with three homes sustaining minor damage from falling trees. One car was also damaged by a falling tree in Chardon.

**Lake County  
Countywide**

09	1655EST 1710EST	0	0	20K	Thunderstorm Wind
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Trees and power lines downed across the county. A house was damaged by a falling tree in Concord Township to the south of Painesville.

**Huron County  
New London**

09	1700EST 1702EST	0	30	0	0	100K	Tornado (F1)
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A tornado briefly touched down near New London. Around 200 trees were blown down. The roof of a barn on State Route 60 was blown off and two other barns just east of town were completely destroyed. Two businesses in New London also suffered roof



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### OHIO, North

damage.

#### **Mahoning County North Jackson**

**09 1700EST 4 40 0 0 150K Tornado (F1)**

A tornado skipped along a path approximately four to five miles long in Jackson Township. Several homes received structural damage including one that was moved slightly off its foundation. Another home had its garage door and contents destroyed and a few other homes had siding torn off. Power lines and several dozen trees were also knocked down along the path of the tornado.

#### **Lorain County Rochester**

**09 1708EST  
1712EST 0 20 0 0 30K Tornado (F0)**

A tornado touched down briefly near the intersection of Gore Orphanage and Stewart Roads (just south of Rochester) then moved east along Stewart Road. Trees and powers lines were blown down.

#### **Ashland County Countywide**

**09 1710EST  
1730EST 0 1 70K Thunderstorm Wind**

Trees downed across the entire county with the most concentrated damage in the northwest corner near Ruggles and Nova. A male of unknown age was injured by flying debris while camping at a campground in Nova. Fallen trees resulted in a major railroad track being closed for three hours. Power poles were snapped at Hayesville and Widowville. At Jeromesville, many trees were downed including two that fell on houses. A fence at a Jeromesville ball field was ripped out of the ground.

#### **Ashtabula County Countywide**

**09 1710EST  
1725EST 0 0 50K Thunderstorm Wind**

Trees and power lines down across the county. A chimney was toppled off a house in Jefferson while a house in Ashtabula was seriously damaged by two falling trees

#### **Richland County Countywide**

**09 1710EST  
1745EST 0 0 160K Thunderstorm Wind**

Trees and power lines downed countywide with the most concentrated damage along U.S. Highway 30 on the north side of Mansfield. The roof of a furniture store near Highway 30 in Mansfield was torn off resulting in water damage to much of the store's inventory. Five power poles were snapped just east of the furniture store and trees around the perimeter of a nearby state prison were knocked down. A portion of the roof of a Mansfield car dealership was torn off. Around a dozen trees were knocked down in the city Bellville on the south end of the county.

#### **Medina County Chippewa On The Lake t Wadsworth**

**09 1715EST  
1735EST 0 0 1.1M Thunderstorm Wind**

A series of macrobursts began on the west side of Chippewa Lake and moved east to Wadsworth resulting in a nearly continuous line of damage. Two homes were destroyed, 16 others suffered major damage and 40 homes suffered minor damage. Of the two homes that were destroyed, one was cut in half by a falling tree and the other was blown off its foundation. Another 200 homes received minimal damage from such things as broken windows and damaged rain gutters. Baseball and softball dugouts at a local ball field were also destroyed. Hundreds of trees were reported down in the southeastern portion of the county. Approximately 10 vehicles were damaged or destroyed by falling trees and at least 30 houses were struck by falling trees. A semi truck was blown over on Interstate 76 approximately 5 miles west of Wadsworth. Siding on a house in Lafayette Township was torn off. Dozens of trees were downed in Wadsworth with 20 down at one house alone. A boat was damaged by a fallen tree and a large restaurant sign was also blown down. Several homes in the Wadsworth area suffered roof damage from fallen trees and winds there were estimated at 60 to 80 mph.



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### OHIO, North

#### Medina County

<b>Lodi</b>	09	1715EST 1717EST	0	20	0	0	100K	<b>Tornado (F0)</b>
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A tornado touched down briefly in Lodi doing some structural damage. Roofs and siding were torn off of several homes with dozens of trees also downed. An amateur radio tower was knocked and the metal roofing of a local business was peeled off. Many trees were downed in the front yard of the local elementary school.

#### Summit County

<b>Countywide</b>	09	1735EST 1805EST			0	0	700K	<b>Thunderstorm Wind</b>
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Trees and power lines downed countywide. A 70 mph gust was measured in Barberton where a roof was blown off a building. The roof landed on a truck completely destroying it. Two other cars were crushed by falling trees in Barberton. The roof of a house in Akron was torn off and several cars were damaged by falling trees. Approximately two dozen houses in the county received damage from falling trees. Around a dozen grave stones were blown over at an Akron cemetery. A total of 400 trees and 225 power poles were blown down in the county. A State of Emergency was declared in Akron because of widespread damage and electrical outages. The NOAA Weather Radio transmitter located on the west side of Akron was knocked off the air by winds estimated at 60 to 70 mph. Several dozen trees were downed in Norton and Barberton. Scaffolding at a school construction site in Barberton was blown down into the side of the building.

#### Wayne County

<b>Countywide</b>	09	1735EST 1800EST			0	0	125K	<b>Thunderstorm Wind</b>
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Trees downed across the entire county with the most concentrated damage in and around Wooster. A tree fell onto the roof of a fraternal lodge in Wooster causing considerable damage. A school addition three miles southeast of Wooster was significantly damaged when 38 roof trusses were blown off a roof and destroyed. Several cars were damaged in Wooster by falling trees and another car was destroyed by falling trees in Shreve.

#### Cuyahoga County

<b>Cleveland</b>	09	1800EST 1830EST			0	0		<b>Flash Flood</b>
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A car became trapped in high water at an underpass on Martin Luther King Jr. Boulevard near St Clair Street. The two occupants of the car were forced to seek safety on the roof of their car and were rescued by the fire department.

#### Stark County

<b>Countywide</b>	09	1823EST 1845EST			0	1	150K	<b>Thunderstorm Wind</b>
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Trees and power lines downed across the entire county. A canning factory in Perry Township was damaged when a fan housing on its roof blew off tearing a hole in the roof. This allowed water to damage many of the items stored inside. A 60 mph gust was measured at Waco. A tree fell on a mobile home near the intersection of state routes 44 and 619 in the northeast corner of the county. A male occupant inside the trailer received minor injuries and was transported to a local hospital for treatment.

#### Mahoning County

<b>Countywide</b>	09	1850EST 1920EST			0	1	75K	<b>Thunderstorm Wind</b>
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Trees and power poles downed throughout the county. Around a dozen trees were downed in Struthers with one landing on a house causing minor damage. Another fallen tree did structural damage to a house in Austintown. A second house in Austintown lost most of its roof. A large tree fell on a car on the south side of Youngstown injuring the driver and destroying the car. The female occupant of the car was transported to a local hospital and treated for minor injuries.



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### OHIO, North

#### Portage County Countywide

**09 1853EST 0 0 20K Thunderstorm Wind (G58)**

A 67 mph gust was measured in Ravenna and several trees were downed. A large outdoor tent was blown down in Kent and the steeple of an historic church in Rootstown was severely damaged.

#### Holmes County Countywide

**09 1855EST  
1915EST 0 0 10K Thunderstorm Wind**

Many trees downed across the county.

#### Trumbull County Countywide

**09 1900EST  
1915EST 0 0 50K Thunderstorm Wind (G51)**

Many trees downed in county. A 60 mph gust was measured at Leavittsburg. A tree fell on a house in the western portion of the county and destroyed a newly constructed porch. A 1600 pound tarp laying on a baseball field in Niles was picked up by winds estimated at 60 to 70 mph and thrown several hundred feet into a nearby grandstand.

#### Wood County Countywide

**17 1530EST  
1540EST 0 0 15K Thunderstorm Wind**

Trees and power lines downed.

#### Wood County Countywide

**17 1559EST  
1706EST 0 0 15K Thunderstorm Wind**

Severe thunderstorms producing estimated winds of 70 to 80 mph knocked down trees and power lines throughout the county.

#### Ottawa County Elmore

**17 1605EST 0 0 1K Thunderstorm Wind**

One tree and one large limb blown down.

#### Lucas County West Toledo

**17 1830EST  
1900EST 0 0 Flood**

Thunderstorms dumped one to two inches of rain over the area in less than an hour. Street flooding was reported throughout West Toledo with the intersection of Monroe and Douglas Streets under as much as two feet of water at times. Water above curb height was also reported along Secor and Central Avenues.

#### Lorain County Countywide

**17 1850EST 0 0 5K Thunderstorm Wind**

Many large limbs downed in Avon with several trees downed in Elyria. The roof of a home in Elyria was slightly damaged by a falling tree.

#### Morrow County Mt Gilead

**21 1555EST 0 0 5K Thunderstorm Wind**

Many trees downed north of Mt. Gilead in the Canaan Lake Area.

#### Hancock County Benton Ridge

**21 1826EST 0 0 Hail (1.75)**

#### Hancock County Jenera

**21 1830EST 0 0 Hail (0.75)**

#### Lucas County Oregon

**21 2010EST 0 0 Hail (0.75)**

#### Sandusky County Fremont

**21 2100EST 0 0 5K Thunderstorm Wind**

A few large trees and power lines were knocked down on the east side of Fremont.





# National Weather Service

## Storm Data and Unusual Weather Phenomena



July 1999

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<b><u>OHIO, North</u></b>									
<b>Ottawa County</b> Countywide	21	2110EST 2145EST			0	0	10K	10K	Thunderstorm Wind
Many trees were downed throughout the county. A barn was blown apart and scattered over a half mile area two miles north of Graytown near the intersection of Graytown Road and State Route 579. An amateur radio tower was knocked down in Graytown and around a dozen trees were blown down in Rocky Ridge. Several corn fields in Benton Township were flattened.									
<b>Crawford County</b> Bucyrus	23	1704EST			0	0		10K	Hail (0.88)
<b>Crawford County</b> Countywide	23	1715EST			0	0	10K		Thunderstorm Wind
Many trees downed across the northern half of the county.									
<b>Richland County</b> Lexington	23	1743EST 1751EST			0	0		10K	Hail (1.00)
<b>Wood County</b> Countywide	23	1915EST 1945EST			0	0	25K		Thunderstorm Wind
Many trees and large limbs down throughout the county. A 10 by 30 foot section of roofing was blown off a barn east of Jerry City near the intersection of Huffman and Cygnet Roads.									
<b>Lucas County</b> Neapolis	23	1930EST			0	0	10K		Thunderstorm Wind
Many large trees downed in the southwest corner of the county near Neapolis and also to the north of Grand Rapids.									
<b>Medina County</b> Medina	24	1945EST			0	0	5K		Thunderstorm Wind
Several trees downed in Medina.									
<b>Cuyahoga County</b> Bay Vlg	24	1956EST			3	0	2K		Thunderstorm Wind
A 46 year old woman and two men, ages 30 and 32 were killed when a large branch broke off of a tree and fell 60 feet landing on the picnic table they were sitting at. Although no adverse weather was occurring at the time of the accident, strong thunderstorms producing winds of around 45 mph moved through the area about an hour earlier. It is believed that these storms weakened the branch and ultimately caused it to fall. M30UT, M32UT, F46UT									
<b>Lorain County</b> Rochester	24	2000EST			0	0	5K		Thunderstorm Wind
Large trees downed.									
<b>Ashland County</b> Countywide	24	2015EST 2025EST			0	0	10K		Thunderstorm Wind
Many large trees downed in Ashland and Nankin..									
<b>Medina County</b> Countywide	24	2015EST 2030EST			0	0	15K		Thunderstorm Wind
Large trees and limbs downed in Lodi, Hinckley and Guilford Township									
<b>Ashland County</b> Polk	24	2020EST			0	0		20K	Hail (1.00)
<b>Crawford County</b> Galion	24	2030EST			0	0	20K		Thunderstorm Wind
A large tree fell on a van in the city of Galion and completely destroyed it.									

[illegible]

## OHIO, North

**Ashland County  
Countywide**

24	2100EST 2130EST	0	0	100K	20K	Thunderstorm Wind
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Thunderstorms producing strong downburst winds downed dozens of trees and limbs throughout the county. A 60 by 120 foot pole barn was blown down and totally destroyed east of Hayesville on County Road 30A. The poles supporting the front side of the building were pulled completely out of the ground while the poles in the back were snapped off at ground level. A home under construction on Township Road 251 south of Rowsburg also suffered damage.

## Wayne County Countywide

24	2100EST	0	0	10K	Thunderstorm Wind
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Largest trees downed across the northern half of the county.

**Holmes County  
Countywide**

24	2110EST 2130EST	0	0	15K	Thunderstorm Wind
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Many trees and powerlines downed across the county.

## Wayne County Countywide

24	2130EST	0	0	15K	Thunderstorm Wind
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Large limbs and power lines downed throughout the county.

## Lucas County Countywide

24	2350EST	0	0	10K	Thunderstorm Wind
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Many trees down in Providence Township in the southwest corner of the county.

**Lucas County**  
**Toledo**

25	0000EST	0	0	Thunderstorm Wind (G52)
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A 60 mph wind gust was measured.

**Hancock County**  
**Mc Comb**

25	0020EST	0	0	5K	Thunderstorm Wind (G52)
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A 60 mph wind gust was measured and a few large trees were downed.

**Wood County  
Bowling Green**

25	0020EST	0	0	5K	Hail (1.00)
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**Geauga County  
Chardon**

28	0745EST	0	0	10K	Hail (1.50)
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**Trumbull County**  
**Mesopotamia**

28	0807EST	0	0	5K	Thunderstorm Wind
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Many trees and large limbs downed.

**Geauga County  
Chardon**

28	0810EST	0	0	10K	Hail (1.75)
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**Trumbull County**  
**Mesopotamia**

28	0825EST	0	0	10K	Hail (0.75)
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**Trumbull County  
Countywide**

28	0837EST 0904EST	0	0	10K	Thunderstorm Wind
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Trees downed across the northern half of the county. Two 14 foot boats were damaged by fallen trees at Mosquito Lake State Park.

**Ashland County  
Countywide**

28	0915EST	0	0	125K	Thunderstorm Wind
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A TV tower was toppled near Nova and an equipment building was blown down and destroyed five miles northeast of Loudonville on County Road 2575. A small barn near the equipment building was also heavily damaged.





# National Weather Service

## Storm Data and Unusual Weather Phenomena



July 1999

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
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### OHIO, North

Holmesville. From the initial touchdown eastward, the damage path was intermittent. Four females, ages 12, 14, 17 and 50 were injured by flying debris while standing inside of an 80 by 100 foot pavilion at the campground. All four victims were transported to a local hospital and the 17 year old required surgery for arm injuries. The roof of the pavilion was partially torn off and a nearby small building was moved approximately 10 feet. A video game inside the small building was flipped over. Six inch by six inch wood posts supporting the pavilion were lifted out of the ground two feet and several trees were also blown down at the campground. Around a dozen trees were snapped just to the west of Holmesville and the roofs of two house suffered damage from fallen trees.

#### Wayne County

##### Countywide

28	1115EST 1125EST	0	0	25K	Thunderstorm Wind
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Trees were downed in and around Shreve and a barn was blown down and destroyed near Burbank

#### Holmes County

##### Berlin

28	1130EST	0	0	10K	Thunderstorm Wind
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Many trees reported down with minor damage done to the roof of a strip mall

#### Stark County

##### Waynesburg

28	1150EST	0	0		Thunderstorm Wind (G52)
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A 60 mph wind gust was measured in Waynesburg.

#### Lake County

##### Fairport Harbor

28	2219EST	0	0		Thunderstorm Wind (G58)
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A 67 mph wind gust was measured at the Fairport Harbor Lighthouse.

#### Lake County

##### Painesville

28	2220EST	0	0	150K	Thunderstorm Wind (G52)
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Many large trees downed in Painesville. One tree pierced the roof of a nursing home with branches ending up less than a foot away from an elderly woman laying in bed. Three classic cars were severely damaged when the garage they were in was destroyed by a fallen tree. A brand new sport utility vehicle was also destroyed by a fallen tree. An additional dozen trees were downed to the east of Painesville in North Perry.

#### Ashtabula County

##### Countywide

28	2230EST 2250EST	0	0	75K	Thunderstorm Wind
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Dozens of trees and power lines downed across the county. Around a dozen trees were blown down in Ashtabula with eight trees were downed in Jefferson. A cemetery in Jefferson had several grave stones e damaged by fallen trees. A fallen tree did significant structural damage to a house in Geneva on the Lake with another tree downed on a house in Saybrook

#### Cuyahoga County

##### Bedford

28	2245EST	0	0		Hail (0.75)
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#### Geauga County

##### Central Portion

28	2245EST 2300EST	0	0	15K	Thunderstorm Wind
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Many trees and power lines downed throughout the central portion of the county

#### Cuyahoga County

##### Cleveland Lakefront

28	2252EST 2255EST	0	0	25K	Thunderstorm Wind
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Many trees were blown down in Cleveland, Euclid and Bedford Heights. A fallen tree poked a hole in the roof of a home in Bedford Heights and another tree did damage to a garage. Fallen limbs did minor damage to several cars

#### Cuyahoga County

##### Cleveland Lakefront

28	2253EST	0	0		Thunderstorm Wind (G56)
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A 64 mph wind gust was measured at Burke Lakefront Airport.

#### Cuyahoga County

##### Valley View

28	2258EST 2304EST	2	200	0	0	175K	Tornado (F1)
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The tornado touched down near Schrieber Road then travelled south into Summit County. The damage path was around four miles



# National Weather Service

## Storm Data and Unusual Weather Phenomena



July 1999

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage	Character of Storm
					Killed	Injured	Property Crops	

### OHIO, North

in length and was non-continuous. Approximately 200 trees were downed along the damage path. A house in Valley View had several windows blown out and also suffered roof and chimney damage. The roof of the house was penetrated in couple of spots by flying debris. A small building nearby was blown off of its foundation and a car was also significantly damaged in the area. Several other homes and a barn sustained roof damage from fallen trees and one house had all of its window screens blown out. A semi trailer was flipped on its side near Hub Park.

#### **Summit County Sagamore Hills**

28	2304EST 2308EST	2	100	0	0	75K	Tornado (F0)
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The Cuyahoga County tornado weakened as it crossed the county line near Sagamore Hills. The tornado traveled approximately two miles in Summit County before dissipating as it approached Highway 82 from the north. The damage path was non-continuous. Several dozen trees were downed and a couple houses received minor roof damage. Fallen trees also damaged three cars

#### **Summit County Northfield to Twinsburg**

28	2308EST 2320EST			0	0	40K	Thunderstorm Wind
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Many trees downed across the northern portion of the county. A large tree in downtown Twinsburg landed on a set of bleachers and destroyed them. Two trees fell on homes in Macedonia and two trucks in Macedonia was also severely damaged by fallen trees. Five trees were downed in Northfield.

#### **Lorain County Avon Lake**

28	2310EST			0	0	5K	Thunderstorm Wind
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Trees and power lines downed.

#### **Summit County Twinsburg**

28	2310EST			0	0		Hail (0.75)
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#### **Portage County Aurora**

28	2315EST			0	0	5K	Hail (0.75)
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#### **Geauga County Huntsburg**

28	2318EST			0	0	100K	Lightning
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Lightning struck a barn two miles north of Huntsburg. The resulting fire destroyed the barn and several cattle and approximately 50 pigs perished.

#### **Trumbull County Cortland**

28	2325EST			0	0	5K	Thunderstorm Wind
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Many trees downed.

#### **Ottawa County Port Clinton**

28	2330EST			0	0	5K	Thunderstorm Wind
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Many trees and large limbs downed.

#### **Portage County Ravenna**

28	2330EST			0	0	30K	Thunderstorm Wind
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Many trees downed including one that fell on a car. The chimney of a house was partially blown down.

#### **Mahoning County Youngstown**

28	2344EST			0	0	5K	Thunderstorm Wind
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Trees and power lines downed.

#### **Lucas County Whitehouse**

29	2159EST			0	0		Hail (0.75)
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#### **Huron County Norwalk**

30	2250EST			0	0		Hail (0.75)
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#### **Huron County Wakeman**

30	2336EST			0	0	10K	Hail (0.75)
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# National Weather Service

## Storm Data and Unusual Weather Phenomena



July 1999

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
<b><u>OHIO, North</u></b>							
<b>Huron County</b>							
Wakeman	30	2337EST			0 0	5K	Thunderstorm Wind
							Trees downed.
<b>Erie County</b>							
Berlin Hgts	30	2354EST			0 0	5K	Thunderstorm Wind
							One tree and several large limbs downed.
<b>Ashland County</b>							
Rowsburg	30	2355EST			0 0	5K	Thunderstorm Wind
							Trees downed.
<b>Wayne County</b>							
Springville	31	0015EST			0 0	5K	Thunderstorm Wind
							Numerous trees and power lines downed in and around Springville.
<b>Lorain County</b>							
Lorain	31	0114EST			0 0		Hail (0.75)
<b>Medina County</b>							
Lodi	31	0315EST			0 0	5K	Thunderstorm Wind
							Trees downed.
<b>Geauga County</b>							
Middlefield	31	1550EST			0 0	10K	Hail (1.25)
<b>Lake County</b>							
Countywide	31	1630EST			0 0	75K	Thunderstorm Wind
							A 60 mph gust was measured in Willoughby and many trees were downed across the county. Four homes suffered minor damage from fallen trees near the Chagrin River in Willoughby. An additional house was damaged in Concord by falling trees.
<b>Sandusky County</b>							
Gibsonburg	31	1639EST			0 0	25K	Thunderstorm Wind
							Several large trees were blown down in and around Gibsonburg and a barn south of town near the intersection of State Route 300 and US 6 had its roof blown off.
<b>Geauga County</b>							
Countywide	31	1640EST 1705EST			1 0	400K	Thunderstorm Wind
							Trees and power poles downed throughout the county from thunderstorm winds of 60 to 80 mph. A 55 year old female was killed at Punderson State Park in Newbury Township when a 40 foot tree fell on her camper and crushed it. Twelve other campers in the park were severely damaged. A tree fell on a house in Newbury Township and destroyed the living, family and dining rooms. Dozens of trees were downed in Bainbridge where one house received extensive damage from a fallen tree. Dozens of trees and power poles were also downed in Burton Village and Chardon. A boat was overturned and destroyed in Chardon and several homes were damaged by fallen trees. F55MH
<b>Ashtabula County</b>							
Countywide	31	1655EST			0 2	60K	Thunderstorm Wind
							Trees and power poles downed across the county with a 60 mph gust measured in Orwell. The library in Orwell lost some its siding and the Orwell Fire Department was damaged when fallen trees poked three 15 inch holes into its roof. Many trees were also downed in and around Jefferson. A large tent was blown down and thrown 200 feet at an outdoor party north of Jefferson. Two women of unknown age standing under the tent were injured slightly.
<b>Portage County</b>							
Countywide	31	1720EST			0 0	75K	Thunderstorm Wind
							Trees downed across the county. A mobile home in Garrettsville was ripped off of its foundation and blown 45 feet. Thirty trees



# National Weather Service

## Storm Data and Unusual Weather Phenomena



July 1999

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

### OHIO, North

were blown down on a golf course just north of Kent.

#### **Stark County Hartville**

31	1720EST				0	0	10K		<b>Thunderstorm Wind (G70)</b>
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An 81 mph wind gust was measured and trees were downed in Hartville.

#### **Erie County Countywide**

31	1725EST				0	0	300K		<b>Thunderstorm Wind</b>
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Trees and power poles downed across the county. A house under construction to the north of Castalia on State Route 269 was damaged when part of its framing was blown down. A nearby barn also lost its roof. A semi truck crossing a bridge over Lake Erie on State Route 2 between Port Clinton and Sandusky was blown over. Thirty poles along a causeway leading to an amusement park were also knocked over. In Sandusky, approximately 30 percent of the streets in the city had to be closed because of fallen trees. One home in Sandusky was severely damaged when a porch on its top floor was destroyed by a fallen tree. Several other homes and at least ten cars were damaged by fallen trees and limbs in Sandusky. At least 20 trees were downed in and around Vermilion.

#### **Trumbull County Countywide**

31	1725EST				0	0	250K		<b>Thunderstorm Wind</b>
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Hundreds of trees downed across the county by thunderstorm winds of 60 to 80 mph. A 70 mph gust was measured at Leavittsburg with a 60 mph gust in Mecca. A large tree fell on a van in Champion trapping a mother and her young daughter inside. Both were uninjured. A tree fell on a house on the northwest side of Warren and did major structural damage. At least four other homes were damaged in Warren. One of the homes had some siding blown off, another had its chimney and a fence blown down and a third had a porch destroyed by a fallen tree. Twenty five trees were downed in Howland Township and between 200 and 250 trees were downed at a golf course on the east side of Warren. Additional trees were downed in Hubbard, Southington and Niles

#### **Crawford County Bucyrus**

31	1810EST				0	0	5K		<b>Thunderstorm Wind</b>
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Trees and power lines downed.

#### **Mahoning County Struthers**

31	1825EST				0	0	10K		<b>Thunderstorm Wind</b>
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Many trees downed.

#### **Richland County Shelby**

31	1910EST				0	0	10K		<b>Thunderstorm Wind</b>
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A barn just south of Shelby suffered damage to its roof.

#### **Stark County Canal Fulton**

31	1923EST				0	0	5K		<b>Thunderstorm Wind</b>
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Trees downed.

#### **Marion County Countywide**

31	1925EST 1945EST				0	0	10K		<b>Thunderstorm Wind</b>
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Many trees downed across the county.

#### **Erie County Crystal Rock**

31	1948EST				0	0	25K		<b>Thunderstorm Wind</b>
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Many trees and power poles downed. A house south of Crystal Rock near the intersection of State Route 269 and US 6 suffered structural damage from a fallen tree. A nearby barn lost its roof.



# National Weather Service

## Storm Data and Unusual Weather Phenomena



July 1999

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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### OHIO, North

#### Wayne County

Countywide	31	1955EST 2015EST			0	0	5K		Thunderstorm Wind
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Many trees and power lines downed.

#### Cuyahoga County

Cle Hopkins Intl Arp	31	1555EST			0	0	50K		Thunderstorm Wind (G59)
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A 68 mph wind gust was measured at Cleveland Hopkins International Airport. In nearby Olmstead Falls, around a dozen trees were blown down with at least three landing on houses. Other damage in Olmstead Falls included a broken railroad crossing gate, a knocked down fence and a destroyed playhouse. Around a dozen trees were downed just south of the airport in Berea

#### Cuyahoga County

Countywide	31	1600EST 1620EST			0	0	200K		Thunderstorm Wind
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Thunderstorms producing strong downburst winds developed over Lake Erie and then moved inland over the eastern half of the county. Cars and boats were damaged at a marina on East 55th Street in Cleveland. Approximately 50 cars sitting in a parking lot at the marina had windows blown out. A 200 pound man walking near the parking lot was thrown 30 feet and ended up in the water. He was not injured. Several small boats were damaged including one that was lifted out of the water and blown over a chain link fence. Power poles and trees were downed in Cleveland, Shaker Heights, Cleveland Heights, Chagrin Falls and Moreland Hills.

#### Sandusky County

Gibsonburg	31	1620EST			0	0	10K		Hail (0.75)
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#### Lorain County

Lorain	31	1722EST			0	0			Thunderstorm Wind (G52)
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#### Trumbull County

Leavittsburg	31	1725EST			0	0	10K		Thunderstorm Wind (G61)
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A 70 mph wind gust was measured in Leavittsburg with a 60 mph gust measured in Mecca. Four trees were downed in Mecca.

#### Hancock County

Findlay	31	1750EST			0	0	15K		Hail (1.75)
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#### Stark County

Canton	31	1921EST			0	0	5K		Hail (0.88)
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### PENNSYLVANIA, Northwest

#### PAZ001>003

##### Northern Erie - Southern Erie - Crawford

01	0000EST			0	0			Excessive Heat
31	2359EST							

Temperatures across northwest Pennsylvania were much above normal with high temperatures in the 90s several days. Erie set a record high of 98 degrees on the 31st. This temperatures was only 2 degrees away from the all time record high in Erie of 100 degrees. The average monthly temperature in Erie was 75.7 degrees and was the 3rd warmest July on record.

#### PAZ001>003

##### Northern Erie - Southern Erie - Crawford

01	0000EST			0	0			Drought
31	2359EST							

Drought conditions across northwest Pennsylvania eased as thunderstorm rain became more widespread. None the less, very dry soil conditions persisted in a few areas that missed the brunt of the thunderstorm activity. Crop yields will likely be reduced because of the lack of adequate rainfall. Losses due to the drought were unknown.





# National Weather Service

## Storm Data and Unusual Weather Phenomena



July 1999

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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### PENNSYLVANIA, Northwest

**Crawford County  
Springboro**

**03 1442EST 0 0 5K Hail (0.75)**

**Crawford County  
Springboro**

**03 1458EST 0 0 10K Hail (1.00)**

**Erie County  
Erie Intl Arpt**

**03 1615EST 0 0 Hail (0.75)**

**Erie County  
Erie Intl Arpt**

**03 1617EST 0 0 Thunderstorm Wind (G53)**  
A 61 mph wind gust was measured at Erie International Airport.

**Erie County  
Erie**

**03 1620EST 0 0 5K Hail (0.75)**

**Crawford County  
Countywide**

**06 1540EST  
1610EST 0 0 25K Thunderstorm Wind**  
Many trees and power lines downed in the Meadville and Titusville areas.

**Erie County  
Countywide**

**09 1700EST  
1800EST 0 0 120K Thunderstorm Wind**

Estimated winds of 60 to 70 mph knocked down trees and power lines throughout the county. A large tree fell on a house in Waterford seriously damaging the roof and an upstairs bedroom. Many trees were downed in Cranesville.

**Crawford County  
Countywide**

**09 1705EST  
1800EST 0 0 1.4M Thunderstorm Wind**

A damaging line of severe thunderstorms packing estimated winds of 60 to 85 mph moved across the county knocking down as many as 1000 trees. The majority of the damage occurred along a path from near Linesville to Harmonsburg to Meadville. Approximately one half of the county lost power. A total of 41 homes were damaged in Harmonsburg with 18 homes damaged in Linesville and an additional 3 homes damaged in Pinesville Township. The roof of a factory in Linesville was also blown off. Many cars were damaged by fallen trees.

**Crawford County  
Meadville**

**17 1756EST 0 0 5K Thunderstorm Wind (G53)**  
A 61 mph wind gust was measured in Meadville. Large limbs were downed near Linesville and Saegertown

**Crawford County  
Countywide**

**28 2335EST  
2350EST 0 0 35K Thunderstorm Wind**

Many trees downed across the southern half of the county. Three power poles were snapped east of Linesville and a house in Conneaut Lake was damaged by a fallen tree.

**Erie County  
Countywide**

**31 1630EST  
1700EST 0 0 60K Thunderstorm Wind**

Trees and powers lines downed across the county. The city of Erie and surrounding areas were especially hard hit with several dozen trees downed. A van was crushed by a fallen tree on the west side of Erie and several homes nearby sustained minor damage from fallen trees.

**Erie County  
Erie Intl Arpt**

**31 1639EST 0 0 Thunderstorm Wind (G53)**  
A 61 mph wind gust was measured at Erie International Airport.

**Crawford County  
Saegertown**

**31 1748EST 0 0 10K Thunderstorm Wind**  
Many trees downed.